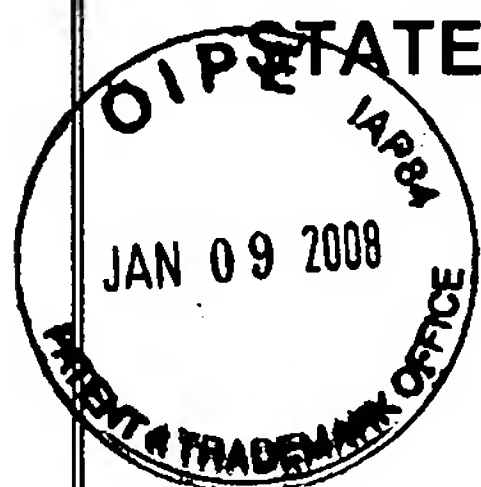


# INFORMATION DISCLOSURE STATEMENT BY APPLICANT



(Substitute for form 1449/PTO)

ATTY. DOCKET NO.  
**066672-0019**

SERIAL NO.  
**10/759,526**

APPLICANT  
**George, Frank R., et al.**

FILING DATE  
**January 16, 2004**

GROUP  
**1636**

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 3,043,310	July 1962	Milinowski et al.	
	2.	US 3,127,895	April 1964	Kendall et al.	
	3.	US 3,181,535	May 1965	Milinowski et al.	
	4.	US 3,229,892	January 1967	Kendall et al.	
	5.	US 3,329,148	July 1967	Kendall et al.	
	6.	US 3,464,010	August 1969	Saul	
	7.	US 3,503,403	March 1970	Yarger	
	8.	US 3,513,851	May 1970	Smith et al.	
	9.	US 3,543,762	December 1970	Kendall et al.	
	10.	US 3,566,877	March 1971	Smith et al.	
	11.	US 3,638,657	February 1972	Mettler	
	12.	US 3,670,737	June 1972	Pearo	
	13.	US 3,800,802	April 1974	Berry et al.	
	14.	US 3,890,953	June 1975	Kraus et al.	
	15.	US 3,893,462	July 1975	Manning	
	16.	US 3,915,151	October 1975	Kraus	
	17.	US 3,952,751	April 1976	Yarger	
	18.	US 3,954,111	May 1976	Sato	
	19.	US 3,978,864	September 1976	Smith et al	
	20.	US 4,028,518	June 1977	Boudouris et al.	
	21.	US 4,062,365	December 1977	Kameny	
	22.	US 4,066,065	January 1978	Kraus	
	23.	US 4,197,851	April 1980	Fellus	
	24.	US 4,210,152	July 1980	Berry	
	25.	US 4,226,246	October 1980	Fragnet	
	26.	US 4,266,532	May 1981	Ryaby et al.	
	27.	US 4,305,115	December 1981	Armintage	
	28.	US 4,318,411	March 1982	Elmovist	
	29.	US 4,323,056	April 1982	Borrelli et al.	
	30.	US 4,338,945	July 1982	Kosugi et al.	

EXAMINER

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	31.	US	4,412,540	November 1983	Bentall	
	32.	US	4,429,698	February 1984	Bentall	
	33.	US	4,432,361	February 1984	Christensen et al.	
	34.	US	4,454,883	June 1984	Fellus	
	35.	US	4,467,808	August 1984	Brighton et al.	
	36.	US	4,467,809	August 1984	Brighton	
	37.	US	4,471,787	September 1984	Bentall	
	38.	US	4,535,775	August 1985	Brighton et al.	
	39.	US	4,548,208	October 1985	Niemi	
	40.	US	4,574,809	March 1986	Talish et al.	
	41.	US	4,587,957	May 1986	Castel	
	42.	US	4,616,629	October 1986	Moore	
	43.	US	4,619,264	October 1986	Singh	
	44.	US	4,622,952	November 1986	Gordon	
	45.	US	4,641,633	February 1987	Delgado	
	46.	US	4,654,574	March 1987	Thaler	
	44.	US	4,665,898	May 1987	Costa et al.	
	49.	US	4,671,286	June 1987	Renault	
	49.	US	4,674,482	June 1987	Waltonen et al.	
	50.	US	4,683,873	August 1987	Cadossi et al.	
	51.	US	4,727,878	March 1988	Levine	
	52.	US	4,738,250	April 1988	Fulkerson et al.	
	53.	US	4,757,804	July 1988	Griffith et al.	
	54.	US	4,765,310	August 1988	Deagle et al.	
	55.	US	4,793,325	December 1988	Cadossi et al.	
	56.	US	4,818,697	April 1989	Liboff et al.	
	52.	US	4,895,154	January 1990	Bartelt et al.	
	59.	US	4,919,140	April 1990	Borgens et al.	
	59.	US	4,932,951	June 1990	Liboff et al.	
	60.	US	4,982,742	January 1991	Claude	
	61.	US	4,993,413	February 1991	McLeod et al.	
	62.	US	4,998,532	March 1991	Griffith	
	63.	US	5,000,178	March 1991	Griffith	
	64.	US	5,014,699	May 1991	Pollack et al.	
	65.	US	5,045,050	September 1991	Liboff et al.	

EXAMINER	DATE CONSIDERED
----------	-----------------

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	66.	US	5,059,298	October 1991	Liboff	
	67.	US	5,088,976	February 1992	Liboff et al.	
	68.	US	5,099,756	March 1992	Franconi et al.	
	69.	US	5,099,840	March 1992	Goble et al.	
	70.	US	5,107,835	April 1992	Thomas	
	71.	US	5,117,826	June 1992	Bartelt et al.	
	72.	US	5,123,898	June 1992	Liboff et al.	
	73.	US	5,158,081	October 1992	McWhorter et al.	
	74.	US	5,160,591	November 1992	Liboff et al.	
	75.	US	5,181,902	January 1993	Erickson et al.	
	76.	US	5,183,456	February 1993	Liboff et al.	
	77.	US	5,186,181	February 1993	Franconi et al.	
	79.	US	5,195,940	March 1993	Baylink	
	79.	US	5,195,941	March 1993	Erickson et al.	
	90.	US	5,195,941	March 1993	Tezuka	
	81.	US	5,267,938	December 1993	Konotchick	
	82.	US	5,314,401	May 1994	Tepper	
	83.	US	5,338,286	August 1994	Abbott et al.	
	84.	US	5,352,458	10-04-1994	Yarosh	
	85.	US	5,370,680	December 1994	Proctor	
	90.	US	5,395,398	March 1995	Rogozinski	
	87.	US	5,401,233	March 1995	Erickson et al.	
	88.	US	5,433,735	July 1995	Zanakis et al.	
	89.	US	5,441,495	August 1995	Liboff et al.	
	90.	US	5,478,303	December 1995	Foley-Nolan et al.	
	91.	US	5,480,373	January 1996	Fischer et al.	
	92.	US	5,527,259	June 1996	Grace et al.	
	93.	US	5,549,639	August 1996	Ross	
	94.	US	5,549,640	August 1996	Fontenot	
	95.	US	5,584,863	December 1996	Rauch et al.	
	96.	US	5,634,939	June 1997	Kuster et al.	
	97.	US	5,776,175	July 1998	Eckhouse et al.	
	98.	US	5,800,458	September 1998	Wingrove	
	99.	US	6,250,255	06-26-2001	Lenhardt et al.	
	100.	US	5,842,477	12-01-1998	Naughton	

EXAMINER	DATE CONSIDERED
----------	-----------------

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	101.	US	5,863,531	01-26-1999	Naughton et al.	
	102.	US	5,902,741	05-11-1999	Purchio, et al.	
	103.	US	5,962,325	10-05-1999	Naughton et al.	
	104.	US	6,121,042	09-19-2000	Peterson et al.	
	105.	US	6,334,069	12-25-2001	George et al.	
	106.	US	6,353,763	03-05-2002	George et al.	
	107.	US	6,458,121	October 2002	Rosenstock et al.	
	108.	US	7,105,292	09-12-2006	Blumenberg	
	109.	US	2002/0177885 A1	11-28-2002	Eisfeld et al.	
	110.	US	2003/0073888 A1	04-17-2003	Blumenberg	
	111.	US	2003/0114884	June 2003	Moran	
	112.	US	2003/181962 A1	09-25-2003	Streeter-Jackson	
	113.	US	2004/0014052	01-22-2004	Kurtz et al.	
	114.	US	2005/0059153 A1	04-17-2005	George et al.	

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number - Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
	115.	EP 0 538 510 **	April 1993				
	116.	WO 99/19024 **	April 1999				
	117.	WO 98/23329	04 June 1998				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	118.	Aaron et al., "Stimulation of Growth factor synthesis by electric and electromagnetic fields", Clin Orthop Relat. Res., No. 419, February 2004, pp 30-37	
	119.	Ausubel et al., Current Protocols in Molecular Biology (Suppl 47), John Wiley & Sons, New York (1999) **	
	120.	Ben-Dov et al., "Low-energy laser irradiation affects satellite cell proliferation and differentiation in vitro", Biochimica et Biophysica Acta. 1448(3):372-380 (1999)	
	121.	Chomczynski, P. and Sacchi, "Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extration," Analytical Biochemistry 162:156-159 (1987)	
	122.	Derijard et al., "JNK1: a protein kinase stimulated by UV light and Ha-Ras that binds	

EXAMINER	DATE CONSIDERED
----------	-----------------

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		FILING DATE <b>January 16, 2004</b>	GROUP <b>1636</b>

		and phosphorylates the c-Jun activation domain", <u>Cell</u> 76(6): 1025-37 (1994)	
	123.	Draghici et al., "Reliability and reproducibility issues in DNA microarray measurements", <u>Trends in Genetics</u> , 22(2):101-109, (2006)	
	124.	Freshney, Culture of Animal Cells, 4th ed., Wiley-Liss, New York (2000) **	
	125.	George et al., "In-vitro Mechanisms of Cell Proliferation Induction: A Novel Bioactive Treatment for Accelerating Wound Healing", <u>Wounds</u> , Online 2002, <a href="http://www.medscape.com/viewarticle/433376_print">www.medscape.com/viewarticle/433376_print</a> retrieved on 12-08-2005!	
	126.	George et al., "In-vitro Mechanisms of Cell Proliferation Induction: A Novel Bioactive Treatment for Accelerating Wound Healing", <u>Wounds</u> , 14(3):107-115 (2002) **	
	127.	Gilbert et al., "The Provant® wound closure system induced activation of p44/42 MAP kinase in normal cultured human fibroblasts", <u>Annals of the New York Academy of Sciences</u> United States, 961:168-171 (2002)	
	128.	Glenn F. Pierce et al., "Pharmacologic Enhancement of Wound Healing", <u>Annu. Rev. Med.</u> 46:467-81 (1995)**	
	129.	Goldin et al, The effects of Diapulse on the healing wounds: a double-blind randomized controlled trial in man", <u>Journal of Plastic Surgery</u> , 34:267-270 (1981)**	
	130.	Houslay et al., "Cell-type specific integration of cross-talk between extracellular signal-regulated kinase and cAMP signaling," <u>Molecular Pharmacology</u> , 58:659-668 (2000)	
	131.	Keyomarsi et al., "Synchronization of tumor and normal cells from G <sub>1</sub> to multiple cell cycles by lovastatin," <u>Cancer Res.</u> 51:3602-3609 (1991)	
	132.	Lopez-Illasaca, "Signaling from G-protein-coupled receptors to mitogen-activated protein (MAP)-kinase cascades," <u>Biochemical Pharmacology</u> , 56:269-277 (1998)	
	133.	Marinissen et al., <u>Science</u> , 22:368-376 (2001) **	
	134.	Martin et al., "Immunological aspects of demyelinating diseases," <u>Annu. Rev. Immunol.</u> 10:153-187 (1992)	
	135.	Otter et al., "Effects of electromagnetic fields in experimental fracture repair," <u>Clin Orthop Relat. Res.</u> Oct. 1998, Vol 355 Suppl, pp 90-104	
	136.	Ozawa et al., "Low-energy laser irradiation stimulates bone nodule formation at early stages of cell culture in rat calvarial cells", <u>BONE</u> , 22(4):347-354 (1998)	
	137.	Pearson et al., "Mitogen-activated protein (MAP) kinase pathways: regulation and physiological functions," <u>Endocrine Reviews</u> , 22:153-183 (2001)	
	138.	Rubin and Farber, Pathology (Second Edition) Philadelphia: J.B. Lippincott Company (1994) **	
	139.	Salzberg et al., "The effects of non-thermal pulsed electromagnetic energy on wound healing of pressure ulcers in spinal cord-injured patients; a randomized, double-blind study", <u>Ostomy Wound Management</u> , 41(3):42-4,46, 48 (1995) Abstract only**	
	140.	Sambrook et al., Molecular Cloning: A Laboratory Manual, 2nd ed., Cold Spring Harbor	

EXAMINER	DATE CONSIDERED
----------	-----------------

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		Press, Plainview, New York (1989)	
	141.	Sambrook et al., Molecular Cloning: A Laboratory Manual, 3rd ed., Cold Spring Harbor Press, Plainview, New York (2001) **	
	142.	Schaffer et al., "Cell Biology of Wound Healing", pp 151-181, Vanderbilt University School of Medicine, Plastic Surgery Research Laboratories, <u>International Review of Cytology</u> vol. 169, 1996**	
	143.	Shefer et al., "Skeletal muscle cell activation by low-energy laser irradiation: A role for the MAPK/ERK pathway", J. of Cellular Physiology 2001 United States, 187(1):73-08 (2001)	
	144.	Simko and Mattsson MO, "Extremely low frequency electromagnetic fields as effectors of cellular responses in vitro: possible immune cell activation", <u>J. Cell Biochem.</u> 93(3):83-92 (2004)	
	145.	Wang et al., "Accumulation of p16CDKN2A in response to ultraviolet irradiation correlates with late S-G(2)-phase cell cycle delay", <u>Cancer Res.</u> 56(11):2510-4 (1996)	

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----------	-----------------

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